BRUHAT BANGALORE MAHANAGARA PALIKE
Yelahanka Zone, Electrical Division

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Shedule-B"

ame of Work:-Providing streetlight maintenance Works in Ward No 08 Kodigenahalli.

Sl. No	Qty	Description Of Work	Unit	Quoted Rates	
				In	In words
1	34	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	Nos	1500.00	Rupees One Thousand Five Hundred Only
2	35	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	Nos	3000.00	Rupees Three Thousand Only
3	200	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel	Nos	10.00	Rupees Ten Only
4	50	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)50X50X6 mm	Mtrs	200.00	Rupees Two Hundred Only
5	1000	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	Mtrs	22.00	Rupees Twenty Two Only
6	22	Supplying and Fixing .....including all Hardware's etc. complete as per the standard technical specification of BESCOM 1.1 KV Pin Insulator	Nos	30.00	Rupees Thirty Only
7	17	No. 8 Strain Insulator	Nos	10.00	Rupees Ten Only
8	30	2 Pin 45x45x5mm -510mm	Nos	200.00	Rupees Two Hundred Only
9	950	Supplay and Laying of 1.1KV Class HR (Heat Resistant) PVC Insulated & UnSheathed Aluminium Wires Multistrand Single core Lead wires as per IS694: 2010 PVC Wire - 25 Sqmm Al Wt: 6.7 Kgs, Total Wt: 11.5Kgs for 100Mtrs	Per Mtr	20.00	Rupees Twenty Only
10	400	Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.25mm dia 2mm thick	Per Mtr	50.00	Rupees Fifty Only
11	1	Providing RCC foundation for Mini high Mast as Per Data Sheet Enclosed as per PWD SR of 2014-15	Set	20000.00	Rupees Twenty Thousand Only
12	3	Releasing and Reerrection of Mini highmast Lighting system Crane Charges as PWD SR of 2014-15	Days	3064.00	Rupees Three Thousand Sixty Four Only
13	28500	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. 6.40.2 16SWG	Sqcm	0.25	Rupees And Paise Twenty Five Only
14	50	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.3.5 core 35 sqmm	P/Mtr	140.00	Rupees One Hundred Forty Only

15	50	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure In existing trench/duct.25 sqmm to 75 sqmm	P/Mtr	10.00	Rupees Ten Only
16	23	Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidating etc., Complete. (As per Civil SR KSRB 1-2, P-7)b. In soil (ordinary)	P/Mtr	50.00	Rupees Fifty O
17	1	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 60-70Amps	Each	7500.00	Rupees Seven Thousand Five Hundred Only
18	1	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and "C" type curve, indicator ON/OFF,energy cross-3 with Short circuit breaking capacity of 10 K and complete wiring as required confirming to IEC 60898. 40-63 Amps TPN	Each	1350.00	Rupees One Thousand Three Hundred Fifty Only
19	1	Supplying and fixing Microprocessor based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	3250.00	Rupees Three Thousand Two Hundred Fifty Only
20	8	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint..40x40x6mm.	Mtr	200.00	Rupees Two Hundred Only
21	6	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers .100 Amps	Each	270.00	Rupees Two Hundred Seventy Only
22	1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. the connection form the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12mm dia.	Each	2000.00	Rupees Two Thousand Only
23	1	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV calss UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16 Sqmm	Each	200.00	Rupees Two Hundred Only
24	5	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. 40mm	P/Mtr	200.00	Rupees Two Hundred Only
25	21	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling, data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly. 6) Metal Enclosure : IP66 weather prof metal enclosure. 7) Transformers: Customized step down transformers for various purposes. 8) Wiring and other device assembly components.	Nos	40000.00	Rupees Forty Thousand Only

For Sri Chowdeshwari Electrical

I am prepared to take up the above work at rates quoted in the Schedule 'B'

Contractor Proprietor

EXECUTIVE ENGINEER (ELEC)
BBMP, Yelahanka Zone